Article

1-408-272-2364

Earl
247-582-6327   ViPeR

3. ALTERNATIVE ENGINEERING CORP.'. VIPER® SYSTEMS

VIPER SYSTEMS ARE AVAILABLE IN 3 BASIC CONFIGURATIONS;
WITH A CHOICE OF 1, 5 OR 10 PLUG-IN MODULE CAPABILITY.
PLUG IN CIRCUIT MODULES ARE INTERCHANGABLE, ALLOWING EASY
SYSTEM UPGRADING. ALL VIPER SYSTEMS ARE SUPPORTED BY THE NEW 8K EXTENDED
BASIC 1.0 WHICH IS INCLUDED ON TAPE.

THE VIPER SYSTEM 1 IS A STAND ALONE 16K BYTE RAM MEMORY
EXPANSION, UTILIZING THE SAME PLUG IN RAM MODULE AS THE
SYSTEMS 5 AND 10. OTHER FEATURES OF THE SYSTEM 1 INCLUDE AN ASCII KEYBOARD
INPUT PORT, HEAVY DUTY POWER SUPPLY, AND SWITCHED A.C OUTLET.

THE VIPER SYSTEM 5 IS BUILT AROUND AN 8 PORT IO MODULE, LEAVING
4 SLOTS FOR RAM OR OTHER PLUG IN OPTIONS. THE IO MODULE PROVIDES
A 1K ROM SYSTEM MONITOR,   2400 BAUD CASSETTE TAPE
INTERFACE WITH DUAL MACHINE   CONTROL, 5 WATT AUDIO AMPLIFIER
300 BAUD   PRINTER OUT PUT PORT, AND   EXTENDED ADDRESSING
THE SYSTEM 5 ALSO INCLUDES AN ASCII KEYBOARD INPUT PORT
SWITCHED AC OUTLET.

THE VIPER 10 IS A 5 SLOT EXPANSION CABINET FOR THE
SEE PAGE TWO → SYSTEM 5 ALLOWING MEMORY EXPANSION UP TO 128K BYTES.

THE VIPER SYSTEM KEYBOARD IS A 62 KEY ASCII ENCODED UNIT
WITH A 10 FOOT COILED INTERCONNECT CABLE FOR REMOTE OPERATION.
IT FEATURES UPPER AND LOWER CASE, CONTROL CHARACTERS FOR
EXTENDED BASIC COMMAND WORDS AND A CODE FUNCTION FOR
ALTERNATE CHARACTER SETS.

⊛ THIS MODULE ALLOWS 4,8 OR 16K BANK BOUNDRY SELECTION
AND FEATURES 8K OR 16K WRITE PROTECT

Don't know if you already have all this
but here goes.

NEW COMMANDS: "EXTENDED BASIC 1.0"
                (FORMERLY "HOT ROD BALLY BASIC"
1. PROGRAM: Changed by permission of Jay.)
A. NEW = INIT LANGUAGE (ERASES PROGRAM)
B. DEFAULT = RESET ALL SYSTEM PARAMETERS (Screen color, char size etc.)
C. ZERO = ZERO all variables.
D. DATA =   EX. DATA A,1,2,3 etc makes A=1, B=2, C=3 etc.

over

2. GRAPHICS

- A. CIRCLE — $X, Y, RADIUS, MODE$ (∅-7)
- B. POINT — $X, Y, MODE$ (0-7) similar to "PX"
- C. SCROLL — X, Y, X_S, Y_S, # LINES (PIXEL LINES)
- D. LINE — $X, Y, MODE$ (∅-7)
- E. BOX — $X, Y, X_S, Y_S, MODE$ (∅-7)
- F. SNAP — $X, Y, X_S, Y_S, @(N)$ N = STRING # ←
- G. SHOW — $X, Y, X_S, Y_S, @(N)$ same N SHOWS SAME SNAP

3. TAPE

? ?   IN PROCESS

— KEYBOARD   CONTROL CHAR.'s = COMMAND WORDS

4. NEW VARIABLES

XL
XR
XT } GRAPHICS WINDOW LIMITS
XB

CL
CR
CT } TEXT WINDOW LIMITS
CB

FA
FB } 3 FOREGROUND COLORS
FC
BC) BACKGROUND COLOR

CC = CHAR. COLOR
CF = CHAR. FONT
??
2 NOW AVAILABLE
5×7, $3/5$
may be
4×6 VIPER FONT

NB = # Base (10, 16, 2 etc)

5.

- A. "PRINT ¡2FF" will print "767" (HEX TO DEC.)
- B. "PRINT ←A" will print "−17238" (its ADDRESS.)

6.

Will support all Viper Systems® including Keyboard, 2400 Baud interface, printer port etc.

BOTH THE VIPER SYSTEMS 5 AND 10 INCORPORATE AN ALUM. CARD RACK WITH NYLON GUIDES, FAN MOUNT (FAN OPTIONAL @ THIS TIME)?, AND 5 slot motherboard.